



List of Design Data

Description of Parameter	Vessel	Jacket
Working Pressure bar	1	1
Design Pressure bar	2.6	4
Working temperature	-5 to +40 °C	
Design temperature	-5 to +40 °C	
Medium	Beer	
Medium density	1,040kg/m ³	
Main compressive component	304	
Gross Volume	545 L	
Net Volume	411 L	
Safety Valve ACT Pressure	1 bar	
Cooling exchanging area m ²	0.957	
Insulation Material	PU	
Level Testing Pressure bar	2.6	4.0

- The inner wall shall be flat. The welding seam on inner surface shall be Grinded. Concave-cover arris and scratch mark are not allowed.
- Inner surface
 - §.The dish head&welding seam should be polished to $\leq 0.6 \mu\text{m}$;
 - §.The inner surface: 2b finish
- The outer surface of the cylinder, top and bottom dish head shall be polished to $\leq 0.6 \mu\text{m}$;
- After finishing tank construction , do 2.6 bar (meter pressure) water pressure test for tank, do 4.0 bar(meter indicated) for jacket during 30 minutes. It is not allowed do water test with horizontal condition.

CONNECTIONS

Mark	Name	Spec.	Connection
a	Drain outlet	1.5"	Tri-clamp
b	Racking arm	1.5"	DIN65
c	CIP inlet	1.5"	Tri-clamp
d	Manway	430x330	Quick open
e	Pressure gauge	1.5"	Tri-clamp
f	Thermowell	1/2"	NTP
g	Thermometer	1.5"	Tri-clamp
h	Sample Valve	1.5"	Tri-clamp
i	PVRV	1.5"	Tri-clamp
j	Hop port	4"	Tri-clamp
k	CIP port	4"	Tri-clamp
l	Blow off pipe	1.5"	Tri-clamp
m1-4	Glycol port	3/4"	NPT
n	Carbon Stone	1.5"	Tri-clamp

MOREFLAVOR INC.

Design: Wan Fa	3.5BBL Fermentation Tank(Stackable)
DWG no.: BME3.5STFV	
Version:1	Date: 2021-7-29